

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Atty. Docket

CARSTEN MEYER

DE 000183

Serial No.

Group Art Unit

Filed: CONCURRENTLY

Ex.

Title: SELECTION OF ALTERNATIVE WORD SEQUENCES FOR DISCRIMINATIVE
ADAPTATION

Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Prior to calculation of the filing fee and examination, please
amend the above-identified application as follows:

IN THE CLAIMS

Please amend the claims as follows:

3. (amended) A method for the discriminative adaptation of
acoustic reference models of a speech recognition system as claimed
in claim 1, characterized in that those speech signals from among
the quantity of given acoustic speech signals are excluded of which
the first word sequence is identical with the spoken word sequence
and of which the difference between the scores of their first and
second word sequences is greater than or equal to a second
threshold value, and in that a new quantity of given acoustic
speech signals is formed in this manner which takes the place of
the old quantity of given acoustic speech signals.

4. (amended) A method for the discriminative adaptation of acoustic reference models of a speech recognition system as claimed in claim 1, characterized in that a first given quantile of the statistical distribution of the differences between the scores of the first and second word sequences of those given acoustic speech signals of which the first word sequence is identical with the spoken word sequence is used as the first threshold value.

5. (amended) A method for the discriminative adaptation of acoustic reference models of a speech recognition system as claimed in claim 3, characterized in that a second given quantile of the statistical distribution of the differences between the scores of the first and second word sequences of those given acoustic speech signals of which the first word sequence is identical with the spoken word sequence is used as the second threshold value.

6. (amended) A method for the discriminative adaptation of acoustic reference models of a speech recognition system, wherein a method as claimed in claim 1 is repeatedly implemented until a stop criterion is reached.

8. (amended) Acoustic reference models of a speech recognition system which are generated through the use of a method as claimed in claim 1.

REMARKS

The foregoing amendments to the claims were made solely to

APPENDIX

3. (amended) A method for the discriminative adaptation of acoustic reference models of a speech recognition system as claimed in claim 1 ~~or 2~~, characterized in that those speech signals from among the quantity of given acoustic speech signals are excluded of which the first word sequence is identical with the spoken word sequence and of which the difference between the scores of their first and second word sequences is greater than or equal to a second threshold value, and in that a new quantity of given acoustic speech signals is formed in this manner which takes the place of the old quantity of given acoustic speech signals.

4. (amended) A method for the discriminative adaptation of acoustic reference models of a speech recognition system as claimed in ~~any one of the claims 1 to 3~~ claim 1, characterized in that a first given quantile of the statistical distribution of the differences between the scores of the first and second word sequences of those given acoustic speech signals of which the first word sequence is identical with the spoken word sequence is used as the first threshold value.

5. (amended) A method for the discriminative adaptation of acoustic reference models of a speech recognition system as claimed in ~~any one of the claims 3 and 4~~ claim 3, characterized in that a second given quantile of the statistical distribution of the differences between the scores of the first and second word

sequences of those given acoustic speech signals of which the first word sequence is identical with the spoken word sequence is used as the second threshold value.

6. (amended) A method for the discriminative adaptation of acoustic reference models of a speech recognition system, wherein a method as claimed in ~~any one of the claims 1 to 5~~ claim 1 is repeatedly implemented until a stop criterion is reached.

8. (amended) Acoustic reference models of a speech recognition system which are generated through the use of a method as claimed in ~~any one of the claims 1 to 7~~ claim 1.

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